

WHAT IS CLAIMED IS:

1. A fuel injection valve, comprising:
 - a casing;
 - a valve element axially slidably arranged through the casing;
 - 5 a valve seat on which the valve element is seated; and
 - a cover arranged on an outer periphery of the casing, the cover being molded out of a soft resin containing a rubber.
2. The fuel injection valve as claimed in claim 1, wherein the casing is
10 made of a metal, the outer periphery of the casing being molded out of a hard resin.
3. The fuel injection valve as claimed in claim 1, further comprising:
 - an actuator which drives the valve element, the actuator comprising a
15 coil and a connector; and
 - an envelope which conceals an outer periphery of the coil and a portion extending to the connector, the envelope being molded out of a hard resin, wherein the envelope is concealed with the cover.
- 20 4. The fuel injection valve as claimed in claim 1, wherein the soft resin is constructed such that a ratio between the rubber and the soft resin is 50:50.
5. The fuel injection valve as claimed in claim 1, wherein the soft resin is constructed such that a ratio between the rubber and the soft resin is 20:80
25 to 80:20.
6. A fuel injection valve, comprising:
 - a casing;
 - a valve element axially slidably arranged through the casing;
 - 30 a valve seat on which the valve element is seated;

a cover arranged on an outer periphery of the casing, the cover being molded out of a soft resin containing a rubber;

an actuator which drives the valve element, the actuator comprising a coil and a connector; and

5 an envelope which conceals an outer periphery of the coil and a portion extending to the connector, the envelope being molded out of a hard resin, wherein the envelope is concealed with the cover.

7. A method of manufacturing a fuel injection valve, the fuel injection
10 valve comprising a casing, a valve element axially slidably arranged through the casing, and a valve seat on which the valve element is seated, the method comprising:

molding a cover out of a soft resin containing a rubber, the cover being arranged on an outer periphery of the casing.

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8. The method as claimed in claim 7, further comprising:

molding the outer periphery of the casing out of a hard resin, wherein the casing is made of a metal.

20 9. The method as claimed in claim 7, wherein the fuel injection valve further comprises an actuator for driving the valve element, the actuator comprising a coil and a connector, the method further comprising:

molding an envelope out of a hard resin, the envelope concealing an outer periphery of the coil and a portion extending to the connector, wherein
25 the envelope is concealed with the cover.

10. The method as claimed in claim 7, wherein the soft resin is constructed such that a ratio between the rubber and the soft resin is 50:50.

30 11. The method as claimed in claim 7, wherein the soft resin is

constructed such that a ratio between the rubber and the soft resin is 20:80 to 80:20.